

F.G.

-1000	-880	-820	-760	-700	-640	-580	-520	-460	-400	-340	-280	-220	-160	-100	-40	21	81	141	201	261	321	370
AACTCTGTGT	GITIGITAIC	ATTAGGGAGC	CATGAATTGG	TCTTTCCTTC	TTAGCTCAAA	AGATGTTTTG	CATGCATGGT	AAAGAACAAA	AAGTTTAGGT	TICGALIGIT	AGACACGIGI	AAGATATTAT	TCGTGGCCTA GAATACAAAG	AAAGCTGAAT	TCGAAATAAA	CATTTCCGTA	CTICITCLIC	GGAATCTTTA	ACTIAAGATI	TGTTTTTGT	GAGCTTAGTG	AATTAAC
AAACCAGACA GGTTAACCAA TTCTCTCTTT	CGAGGAAATT	ACAAAGACAT	TGAGGCCATT	CITCCITCAA	CIGGICITII	AGTGTTGTAA ATTCCTCAAG ACTATATAG	TICIACCCII	CTGTTGAATA ACGATATGGG CCTTATGCTA	TGGCCCAAAT	AGAATGCGCG	CTAGTGTATC	CCACTAGAIC		AACTIGAACA AAAGCIGAAI	TTTTGTAGCC	GAGATTTCTC	ATCACTTCTT	AATTAAAAT	CTCTAAAGGT	TIGACTIGAT	TIGIGIAGAG GAGCITAGIG	
GGTTAACCAA	CTCAAATTCT	TGAGAAGGTC AAGAGCACAT	AAGAAGAAGA AGAGCCTTTT	TCTAACACAA AGGCCACGTC	TCCTTTCTCT CTCTGTCT	ATTCCTCAAG	AACTITGICC CCAITIAGIC	ACGATATGGG	ATAAGCCCAA TATAAAACTA	GAACCGCACG	TCCCGGGTCC ACTGATGTTT	TAAGTAGGTC	GTCCCGGAAC	ACAAGAATGT	TGGCAGITIC	TATAGTGGCT	TCAAAAGCAA	CGAAATCTGG	TGAATCATCT	GATGAATAAC	AGATCTGAAG	ATG GAG ACA AAT TCG TCT GGA GAA GAT CTG GTT
	_	-	-							CGCGTGTAGT	ICCCGGGICC	TTAACGATCT	CTTTCAGGTA	GITAAGAIGG	TGTTGACATA	TAAAGATAAT	GITICALIGA	TCTTATCCAA	TITCTITCAL	CTTATTGTTT	TITGIGGAIT AGIGGAAITI IGIAAAGAGA AGAICIGAAG	T GGA GAA
G CAGIGGITCA CITACAAGAA CCIGGICIIC	GTAATACTGA	AGGCTTTGTT				TTTATGTCAA	CAAAATTTCA	TAATGCTGAA	TCTAAAAAA	GTGAGAATAG	TCGTCTAGAT	GTGGGAGAGA	CCTTTTTAAC	ACAAGITGAI	CATCTCTCA GCCACTAGTA	AGTTTGAGGT	TCTTTTTT	CTTACTGTTT	GCTGATTTTG	CATGGTCTTT	AGTGGAATTT	AAT TCG TC
G CAGTGGTTCA CTTACAAGAA O	TIGGTIGCAL	TGTTTCAGGG	AGCTGAATCA	AATGAAGGAT	TIGIAACTAA	GTATCATCCA	TTTCATTTC	TAGCTTAGCT	ACCITAIGGG	CCATTAGAGT	GGTGAAGTAG	CGACAAACTG	AACGAATTGA	AAGGTTGTGA	CATCTCTTCA	TAAATTAAAA	GCTTCTGGTC	TICICGALIL	TCGAATCCAA	GATTTATTGT	TTTGTGGATT	ATG GAG ACP

	.CT 430 .G 480 .P	528	580	638 685	740	rA 800	,-
Lys	TARATITIAG GGGGAAGATG AFTGTITIAG GFGCAAAGA TFGAGAATIT TAATGAAACT TGATATAG ACT CGG AAG CCA TAT ACG ATA ACA AAG CAA CGT GAA AGG TGG Thr Arg Lys Pro Tyr Thr Ile Thr Lys Gln Arg Glu Arg Trp 15	ACT GAG GAA GAA CAT AAT AGA TTC ATT GAA GCT TTG AGG CTT TAT GGT Thr Glu Glu Glu His Asn Arg Phe Ile Glu Ala Leu Arg Leu Tyr Gly 30	AGA GCA TGG CAG AAG AIT GAA G GITGAITIT AITICCCITI ATAIGICITA Arg Ala Trp Gln Lys Ile Glu 50	TTITIGG TIGCAGAGGT TIGECTICAA ACTGAITIGC TTITITICAT TIGGACAG AA CAT GTA GCA ACA AAA ACT GCT GTC CAG ATA AGA AGT CAC GCT CAG Glu His Val Ala Thr Lys Thr Ala Val Gln Ile Arg Ser His Ala Gln 55	AAA TTT TTC TCC AAG GTAAAATCGG TTAATTTTGA AATGATGTTC TCATCTTCAT Lys Phe Phe Ser Lys 70	TGGCTTAATG CTTAAGACTT ATTGAAGCC AGGCAAGTTT TCTGCTTCTT TTGCTTCTTA GTCAGGAGAT AGATAGATTA CGTTTTTAGA GTTTAGTAAT GAGCAATAAG TCTTAAAATA	GTTGGAGAAA TGACGAGATG TAATCGTTTT CTTTTGTTTA TGCCTATATC TTGTTAATCC ACAAACATGT ACATAGATTC TTGGAGAA TGTTAGTTTC TTAGATTCT TGAGATTAAG TTGTGTCTTTACGATTC TGAGGTAGTG CCAAAAGTGG GCTCAGTGAT AGAAATTAAG
Met Glu Thr Asn Ser Ser Gly Glu Asp Leu Val 11e Lys $_{\rm 1}$	STGTCAAAGA TTGA ATA ACA AAG CAA LIe Thr Lys Glr	r Gra GCT TTG e Glu Ala Leu	AATTTT ATTTCCC	ACTGATTTGC TTTT CC CAG ATA AGA CL Gln Ile Arg 60	ATTTIGA AATGAT	GGCAAGTTT TCTG	TITIGITIA IGCC GITAGITIC ITIA CAAAAGIGG GCTG
Ser Gly Glu As	S ATTGTTTTAG CCA TAT ACG P	AAT AGA TTC AT Asn Arg Phe Il 35	NTT GAA G GTTG le Glu 50	TTGTCTTCAA AAA ACT GCT GT	TAAAATCGG TTA	TGGCTTAATG CTTAAGACTT ATTGAAAGCC AGGCAAGTTT GTCAGGAGAT AGATAA CGTTTTTAGA GTTTAGTAAT	TAATCGTTTT CTTTTGTTTA TTCAGAAGAA TGTTAGTTTC TGAGGTAGTG GCAAAAGTGG
hr Asn Ser S 5	G GGGGAAGATG ACT CGG AAG Thr Arg Lys 15	AA GAA CAT A lu Glu His A 30	AGA GCA TGG CAG AAG ATT GAA Arg Ala Trp Gln Lys Ile Glu 45	T TTGCAGAGGT TA GCA ACA A al Ala Thr L 55	TC TCC AAG G he Ser Lys 70	G CTTAAGACTT I AGATAGATTA	A TGACGAGATG F ACATAGATTC TTACCGATTC
Met Glu T 1	TAAATTTTA TGATATAG	ACT GAG G Thr Glu G	AGA GCA TARGE ALS TAR	TTTTTGG AA CAT G Glu His Va	AAA TTT TTC TCC Lys Phe Phe Ser 70	TGGCTTAAT(GTCAGGAGA	GTTGGAGAAA ACAAACATGT TTGTGTCTTC

1100 1160 1212	1260	1308	1356	1414	1470
GAAIGTICCI IGIGAIAAGC CAIAGAGGTA AACCAITITI GAITITICCAG ITCIGICAIT TAAACITGIT AGGIGTCAIT AGAITITIGI ITGITIAAGGI ITGITIAGAG GGIPACAAAA CTACICICAI CICTCICAG GTA GAS AAA GAG GCI GAA GCI AAA GGI GTA AAA GAI GIA AAA GAI GLI AAA GAI GAI AAA GAI AAA GAI GIA AAA GAI GIA AAA GAI GIA AAA GAI AAAA GAI AAAAAAAA	ATG GGT CAA GCG CTA GAC ATA GCT ATT CCT CCT CCA CGG CCT AAG CGT MET Gly Gln Ala Leu Asp 11e Ala 11e Pro Pro Pro Arg Pro Lys Arg 85	AAA CCA AAC AAT CCT TAT CCT CGA AAG ACG GGA AGT GGA ACG ATC CTT Lys Pro Asn Asn Pro Tyr Pro Arg Lys Thr Gly Ser Gly Thr Ile Leu 100	APA ACG GGT GTG AAT GAT GGA AAA GAG TCC CTT GGA TCA Lys Thr Gly Val Asn Asp Gly Lys Glu Ser Leu Gly Ser	GTG TCG CAT CCT GAG Val Ser His Pro Glu	ACATTGCTCC TCATGTTATT AATACAGATT GTGTGCTTCG TTTATAG ATG GCC AAT Met Ala Asn GAA GAT CGA CAA CAA TCA AAG CCT GAA GAG AAA ACT CTG CAG GAA GAC Glu Asp Arg Gln Gln Ser Lys Pro Glu Glu Lys Thr Leu Gln Glu Asp 140 150

1008455 OSSES

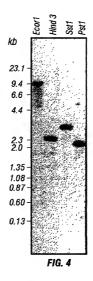
1566	1014	C001	1721	1769		1817		1865		1913		
CAT CAG TAT CTC TCT GCT GCA TCC His Gln Tyr Leu Ser Ala Ala Ser 170	Thr Ser Asn Ala Ser 180	derrande nicilicali scintilicas	GGGGGAATAA C	TCA GAT TTG	Arg Lys Glu Ser Asn Ser Asp Leu Asn Ala 205	GAG CAA GGA CCT CAG ACT TAT CCG	Glu Gln Gly Pro Gln Thr Tyr 220	TTG GGG AGC TCA ATA ACA AGT TCT	235	GAT AGT CAT	Asp Ser His Pro His Thr Val Ala	
TGT TTC Cys Phe 160	Cys	Arg Glu Glu	AGTACT TITCA	AGG GTA	Arg Val 200		Asn Gly	CTA GTG CCA	ישר אשד	TCA GAG	Ser)
AAC TGT TCA GAT Asn Cys Ser Asp ATG AAT AAA AGT	Asn	Phe Leu Pro Ser 190	GTTTTAAGAC GATTI	AGT CAG AAT AAC	Gln Asn	AAA TCT CTG GAA	Ser Leu	CAT ATC CCT GTG	230	TCA CAT CCT CCT	His Pro	2

TOOMTHUU

2742	2790	2838	2886	2934	2982	3030	3090 3150 3210 3270 3330
GAA CAC Glu His	GCA CTT Ala Leu	GAG GAG Glu Glu	G CTA s Leu	,	T GTG s Val	c ACA r Thr	TCAAGACCAC TAGTCTTCCT TTTTTTCCAA ACAGAGTTCC AAGTAAGCAC
	510 ATG GCA Met Ala	CAA GAG Gln Glu	TCA AAG Ser Lys	TGT TCC Cys Ser	ATT CAT Ile His	GCT TCC Ala Ser	
CGA Arg	CCA	GAT Asp	GCT	AGA Arg	ATC Ile	CAA Gln	TTTTAAGTTT TCCTTGTCCA TTTAATCTTT TATGCAAACG CATAACTCAT
A TAT r Tyr	A TAT 9 Tyr	r GAT l Asp		AAA Lys	r ccr	GAA ACT Glu Thr	
TTT ACA Phe Thr	CAA AGA Gln Arg	CCA GTT Pro Val	ĠGA TTA Gly Leu		AAC AAT Asn Asn		TCTG1 TTGT1 AACTC TGATZ
	505 GAA C? Glu G!	ACA CO Thr Pr	ATC ĠG Ile Gl	AAA CCA Lys Pro 570	AAC AA Asn As	CGG TTG Arg Leu	TGTACTCTGT TGTATTTGTT TCATAAACTG GTTCTTGATA TAAGTTGTCT
CAA Gln	CAA G		GGA A	TTT A Phe I	CTC A Leu A 5		
CCG	CAA	CAG Gln 535	•	GGT Gly	ATC Ile	GAT CCC AAA CGG ATG Asp Pro Lys Arg Met 600	ATCTGTTGTT TTGAGGCCTT ATTCAACAAA AGGGGCTCTT CCATCACCCT
TTG.	CAA	GCT Ala	TTT Phe	. , -	AGA	AAA Lys	
G GTA	CAA Gln	ACA Thr	A GGA : Gly	A AGA Arg 565		CCC Pro	TTTTCATCTG TCTTTTTCTT ACTCTGTATT ACTTCACTCA CTTAGCCCAT
	500 A GAA a Glu	C TTC	C ACA	A GGA 3 Gly	A GAA s Glu 580		TTTT TCTT ACTC ACTT
TCC AGA Ser Arg	G GAA u Glu		A AAC g Asn	T AGA r Arg	c AAA a Lys	G AAA n Lys 595	TCTA ATTT TTTG AAGA TAAT
TTC TCC Phe Ser	AGA GAG Arg Glu	GAT CTT Asp Leu 530	AAG AGA Lys Arg 545	ATG AGT Met Ser	GAA GCC Glu Ala	GAA CAG Glu Gln	TGGGACTCTA TTTCGTCTG GTACATITE ACTOTATI GTACATITE ACTOGATATI CCTGGAAGA ACTICACTCA AAAACGTAAI CTTAGCCCAT AAAA

121 220 120

10/19



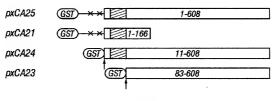
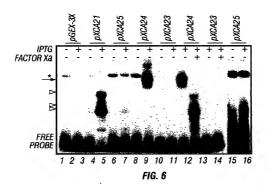
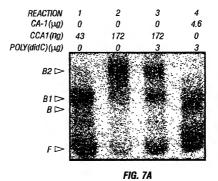
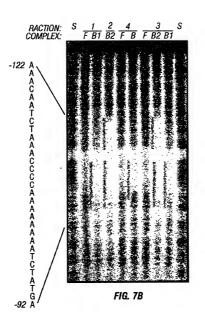


FIG. 5







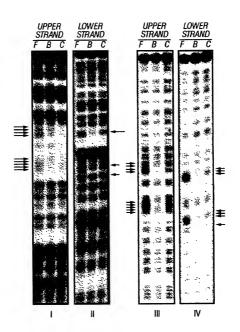
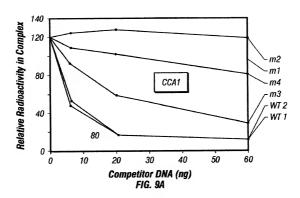


FIG. 8



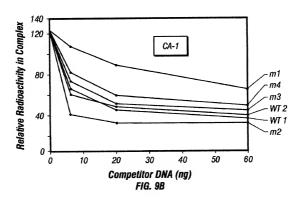




FIG. 10

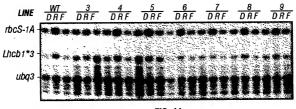


FIG. 11

